

## HGK-S

### SHIFT CUT GEAR KNOB

- Holinger Engineering has developed a gear lever mounted trigger device to enable an engine fuel/ignition cut via the engine management system. This will enable the user to effectively unload the gearbox, prior to performing a gear change.
- The knob is easily installed on Sequential Holinger gearboxes.
- It requires an engine ECU capable of receiving an analogue or digital input channel for shift-cut triggering.
- When used on a car equipped with a fly-by-wire throttle, “throttle blips” can also be programmed to assist with downshifting.
- The integrated electronics and sensor are contained within the hand piece and require no adjustment.
- The device requires a good ground and 12volt supply.
- In the neutral position the analogue voltage readout from the white signal wire will read 2.5V +/- 0.1V, with a maximum readout of 5V, and minimum of 0V.
- It is recommended that the trigger voltages be programmed between these two ranges, with an acceptable dwell level around the neutral position.
- The green digital output provides a grounding signal when activated. This wire should be isolated if not used. Max 20mA.
- The supplied Deutsch connection should be used with the following pin outs:  
Pin 1[Ground - black],  
Pin 2[Signal wire to an ECU user selectable input – white (analogue) or green (digital)],  
Pin 3 [12 volt supply - red.]
- M12 x 1.75mm internal gear lever thread as standard.
- Two different gear knob sizes are available.

